Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Modified Estimation for Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications including all lead and lifts and as per the direction of engineer in charge								
	1st bill								
	CC Drain								
	Jyothinagara								
	Thayi Nagammadevi Temple Road	1	314.80	1.10	1.10	380.91			
	2nd Cross	1	269.00	1.10	1.10	325.49			
	Jyothinagara 2nd Cross	1	343.80	1.10	1.10	416.00			
	Doddabettahalli								
	Amma Nilaya	2	101.10	1.10	1.10	244.66			
	5th Cross road	2	83.40	1.10	1.10	201.83			
	4th Cross road	2	85.80	1.10	1.10	207.64			
	3rd Cross road	2	88.75	1.10	1.10	214.78			
	2nd Cross road	2	95.40	1.10	1.10	230.87			
	1st Cross road	1	56.30	1.10	1.10	68.12			
	Connecting Drain								
	5th Cross to 3rd Cross	1	63.00	1.10	1.10	76.23			
	3rd Cross to lead off	1	53.00	1.10	1.10	63.55			
	Attur Tanery road								
	3rd Main Road	2	165.20	1.00	1.10	361.79			
	Vidhyanikethan School Road	2	109.50	1.00	1.10	241.89			
	4th Main Road	2	124.10	1.00	1.10	273.02			
	Cross Road	2	25.60	1.00	1.10	56.32			
	Pulakeshinagar								
	4th Main Road	1	172.90	1.10	1.10	209.21			
	5th Main Road	2	239.50	1.00	1.10	526.90			
	6th Main Road								
	1st Cross	1	24.70	1.10	1.10	29.89			
	6th Main Road	2	144.50	1.05	1.10	333.80			
	5th Cross Road	2	94.10	1.00	1.10	207.02			
	6th Cross Road	2	68.60	1.05	1.10	158.47			
	Cross Road	2	51.60	1.10	1.10	124.87			
	Anugraha House Road	2	75.90	1.05	1.10	175.33			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Ananthapura								
11th Main Road,1st Cross Road	2	120.30	1.10	1.10	291.13			
11th Main Road,2nd Cross Road	1	169.20	1.10	1.10	204.73			
10th 'A' Main Road	2	223.90	1.00	1.10	492.58			
10th 'A' Main Road, 1st Cross Road	2	35.40	1.00	1.10	77.88			
10th 'A' Main Road, 2nd Cross Road	1	24.00	1.00	1.10	26.40			
10th 'E' Main Road	2	227.90	1.00	1.10	501.38			
10th 'F' Main Road	2	218.40	1.00	1.10	480.48			
10th F and 10th E Link Road	2	26.40	1.00	1.10	58.08			
Chikkabettahalli								
Masidi Road	1	97.40	1.10	1.10	117.85			
Adithyanagara								
Water Tank Road	2	222.10	1.10	1.10	537.48			
Vijaya Kumar House Road	1	18.00	1.10	1.10	21.78			
RCC Culvert								
Near Sambhram College	2	6.75	1.50	1.00	20.25			
Doddabettahalli	1	6.95	1.50	1.00	10.43			
Tanery Road	2	6.10	1.50	1.00	18.30			
Pulakeshinagar	11	5.65	1.50	1.00	93.23			
Ananthapura								
10th A Main 1st Cross Road	1	5.60	1.50	1.00	8.40			
Adithyanagara								
Water Tank Road	5	4.80	1.50	1.00	36.00			
2nd bill								
CC Drain								
Hanumayya layout								
5th Cross Rd	2	214.30	1.10	1.10	518.61			
Vinayaka temple Rd	1	84.10	1.10	1.10	101.76			
Thirumala nagara								
6th Main Road	2	178.70	1.10	1.10	432.45			
7th Main Road	2	196.30	1.10	1.10	475.05			
Hanumayya layout								
2nd Main Road	2	169.40	1.10	1.10	409.95			
3rd Main Road	2	175.60	1.10	1.10	424.95			
11th Cross Rd	1	52.00	1.10	1.10	62.92			
10th Cross Rd	1	48.00	1.10	1.10	58.08			
9th Cross Rd	1	88.40	1.10	1.10	106.96			
8th Cross Rd	2	130.70	1.10	1.10	316.29			
8th A Cross Rd	1	36.40	1.10	1.10	44.04			
8th B Cross Rd	2	31.50	1.10	1.10	76.23			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	8th Cross Rd	2	130.70	1.10	1.10	316.29			
	8th A Cross Rd	1	36.40	1.10	1.10	44.04			
	8th B Cross Rd	2	31.50	1.10	1.10	76.23			
	8th C Cross Rd	2	37.15	1.10	1.10	89.90			
	7th Main Rd	2	124.75	1.10	1.10	301.90			
	6th Main Road	1	114.60	1.10	1.10	138.67			
	Near Vidyaniketan school								
	1st Cross Road	2	37.55	1.10	1.10	90.87			
	Santhos nagara								
	4th Cross Rd	2	151.65	1.10	1.10	366.99			
	1st Cross Rd	2	25.10	1.10	1.10	60.74			
	Best County II								
	Main Rd	1	230.70	1.10	1.10	279.15			
	1st Cross Rd	2	55.90	1.10	1.10	135.28			
	Vijay Bank Layout								
	Main Road	2	215.30	1.10	1.10	516.30			
	4th cross Rd	1	33.10	1.10	1.10	39.69			
	3rd cross Rd	2	37.50	1.00	1.10	82.50			
	2nd cross Rd	1	42.70	1.10	1.10	51.71			
	1st cross Rd	1	37.60	1.10	1.10	45.68			
	Culvert	19	5.85	1.50	1.00	167.17			
		2	6.10	1.80	1.00	21.96			
						13540.74	**Cum**	**217.43**	**2944200.88**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications including all								
	1st bill								
	CC Drain								
	Jyothinagara								
	Thayi Nagammadevi Temple Road	1	314.80	1.10	0.15	51.94			
	2nd Cross	1	269.00	1.10	0.15	44.39			
	Jyothinagara 2nd Cross	1	343.80	1.10	0.15	56.73			
	Doddabettahalli								
	Amma Nilaya	2	101.10	1.10	0.15	33.36			
	5th Cross road	2	83.40	1.10	0.15	27.52			
	4th Cross road	2	85.80	1.10	0.15	28.31			
	3rd Cross road	2	88.75	1.10	0.15	29.29			
	2nd Cross road	2	95.40	1.10	0.15	31.48			
	1st Cross road	1	56.30	1.10	0.15	9.29			
	Connecting Drain								
	5th Cross to 3rd Cross	1	63.00	1.10	0.15	10.40			
	3rd Cross to lead off	1	53.00	1.05	0.15	8.35			
	Attur Tanery road								
	3rd Main Road	2	165.20	1.00	0.15	49.56			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Vidhyanikethan School Road	2	109.50	1.00	0.15	32.85			
4th Main Road	2	124.10	1.00	0.15	37.23			
Cross Road	2	25.60	1.00	0.15	7.68			
Pulakeshinagar								
4th Main Road	1	172.90	1.10	0.15	28.53			
5th Main Road	2	239.50	1.00	0.15	71.85			
6th Main Road								
1st Cross	1	24.70	1.10	0.15	4.08			
6th Main Road	2	144.50	1.05	0.15	45.52			
5th Cross Road	2	94.10	1.00	0.15	28.23			
6th Cross Road	2	68.60	1.05	0.15	21.61			
Cross Road	2	51.60	1.10	0.15	17.03			
Anugraha House Road	2	75.90	1.05	0.15	23.91			
Ananthapura								
11th Main Road,1st Cross Road	2	120.30	1.10	0.15	39.70			
11th Main Road,2nd Cross Road	1	169.20	1.10	0.15	27.92			
10th 'A' Main Road	2	223.90	1.00	0.15	67.17			
10th 'A' Main Road, 1st Cross Road	2	35.40	1.00	0.15	10.62			
10th 'A' Main Road, 2nd Cross Road	1	24.00	1.00	0.15	3.60			
10th 'E' Main Road	2	227.90	1.00	0.15	68.37			
10th 'F' Main Road	2	218.40	1.00	0.15	65.52			
10th F and 10th E Link Road	2	26.40	1.00	0.15	7.92			
Chikkabettahalli								
Masidi Road	1	97.40	1.10	0.15	16.07			
Adithyanagara								
Water Tank Road	2	222.10	1.10	0.15	73.29			
Vijaya Kumar House Road	1	18.00	1.10	0.15	2.97			
RCC Culvert				0.15	0.00			
Near Sambhram College	2	6.75	1.50	0.15	3.04			
Doddabettahalli	1	6.95	1.50	0.15	1.56			
Tanery Road	2	6.10	1.50	0.15	2.75			
Pulakeshinagar	11	5.65	1.50	0.15	13.98			
Ananthapura								
10th A Main 1st Cross Road	1	5.60	1.50	0.15	1.26			
Adithyanagara								
Water Tank Road	5	4.80	1.50	0.15	5.40			
2nd bill								
CC Drain								
Hanumayya layout								

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5th Cross Rd	2	214.30	1.10	0.15	70.72			
Vinayaka temple Rd	1	84.10	1.10	0.15	13.88			
Thirumala nagara								
6th Main Road	2	178.70	1.10	0.15	58.97			
7th Main Road	2	196.30	1.10	0.15	64.78			
Hanumayya layout								
2nd Main Road	2	169.40	1.10	0.15	55.90			
3rd Main Road	2	175.60	1.10	0.15	57.95			
11th Cross Rd	1	52.00	1.10	0.15	8.58			
10th Cross Rd	1	48.00	1.10	0.15	7.92			
9th Cross Rd	1	88.40	1.10	0.15	14.59			
8th Cross Rd	2	130.70	1.10	0.15	43.13			
8th A Cross Rd	1	36.40	1.10	0.15	6.01			
8th B Cross Rd	2	31.50	1.10	0.15	10.40			
8th C Cross Rd	2	37.15	1.10	0.15	12.26			
7th Main Rd	2	124.75	1.10	0.15	41.17			
6th Main Road	1	114.60	1.10	0.15	18.91			
Near Vidyaniketan school								
1st Cross Road	2	37.55	1.10	0.15	12.39			
Santhos nagara								
4th Cross Rd	2	151.65	1.10	0.15	50.04			
1st Cross Rd	2	25.10	1.10	0.15	8.28			
Best County II								
Main Rd	1	230.70	1.10	0.15	38.07			
1st Cross Rd	2	55.90	1.10	0.15	18.45			
Vijay Bank Layout								
Main Road	2	215.30	1.10	0.15	70.73			
4th cross Rd	1	33.10	1.10	0.15	5.44			
3rd cross Rd	2	37.50	1.00	0.15	11.25			
2nd cross Rd	1	42.70	1.10	0.15	7.05			
1st cross Rd	1	37.60	1.10	0.15	6.20			
Culvert	19	5.85	1.50	0.15	25.08			
	2	6.10	1.80	0.15	3.29			
CC Road								
Doddabettahalli								
Near BBMP Office								
Cross Road 01	1	45.80	5.30	0.10	24.27			
Cross Road 02	1	39.70	3.90	0.10	15.48			
Cross Road 03	1	40.10	2.60	0.10	10.43			
Cross Road 04	1	10.20	3.20	0.10	3.26			
Cross Road 05	1	77.70	3.10	0.10	24.09			
Cross Road 06	1	71.40	3.50	0.10	24.99			
Cross Road 07	1	8.10	1.20	0.10	0.97			
Ananthapura								
10th Main Road	1	250.00	7.10	0.15	265.46			
1st Cross Road	1	18.70	5.70	0.15	15.99			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd Cross Road	1	22.30	5.70	0.10	12.71			
	3rd Cross Road	1	23.30	5.70	0.10	13.28			
	Guptha Nivas Mata House Road	1	140.80	6.60	0.15	139.39			
						2402.00	**Cum**	**5476.12**	**13153659.24**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well competed for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification including all lead and lifts and as per the direction of engineer in charge								
	1st bill								
	CC Drain								
	Raft								
	Jyothinagara								
	Thayi Nagammadevi Temple Road	1	314.80	0.90	0.15	42.50			
	2nd Cross	1	269.00	0.90	0.15	36.32			
	Jyothinagara 2nd Cross	1	343.80	0.90	0.15	46.41			
	Doddabettahalli								
	Amma Nilaya	2	101.10	0.90	0.15	27.30			
	5th Cross road	2	83.40	0.90	0.15	22.52			
	4th Cross road	2	85.80	0.90	0.15	23.17			
	3rd Cross road	2	88.75	0.90	0.15	23.96			
	2nd Cross road	2	95.40	0.90	0.15	25.76			
	1st Cross road	1	56.30	0.90	0.15	7.60			
	Connecting Drain								
	5th Cross to 3rd Cross	1	63.00	0.90	0.15	8.51			
	3rd Cross to lead off	1	53.00	0.90	0.15	7.16			
	Attur Tanery road								
	3rd Main Road	2	165.20	0.80	0.15	39.65			
	Vidhyanikethan School Road	2	109.50	0.80	0.15	26.28			
	4th Main Road	2	124.10	0.80	0.15	29.78			
	Cross Road	2	25.60	0.80	0.15	6.14			
	Pulakeshinagar								
	4th Main Road	1	172.90	0.90	0.15	23.34			
	5th Main Road	2	239.50	0.90	0.15	64.67			
	6th Main Road								
	1st Cross	1	24.70	0.90	0.15	3.33			
	6th Main Road	2	144.50	0.90	0.15	39.02			
	5th Cross Road	2	94.10	0.90	0.15	25.41			
	6th Cross Road	2	68.60	0.90	0.15	18.52			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Cross Road	2	51.60	0.90	0.15	13.93			
Anugraha House Road	2	75.90	0.90	0.15	20.49			
Ananthapura								
11th Main Road,1st Cross Road	2	120.30	0.90	0.15	32.48			
11th Main Road,2nd Cross Road	1	169.20	0.90	0.15	22.84			
10th 'A' Main Road	2	223.90	0.80	0.15	53.74			
10th 'A' Main Road, 1st Cross Road	2	35.40	0.80	0.15	8.50			
10th 'A' Main Road, 2nd Cross Road	1	24.00	0.80	0.15	2.88			
10th 'E' Main Road	2	227.90	0.80	0.15	54.70			
10th 'F' Main Road	2	218.40	0.80	0.15	52.42			
10th F and 10th E Link Road	2	26.40	0.80	0.15	6.34			
Chikkabettahalli								
Masidi Road	1	97.40	0.90	0.15	13.15			
Adithyanagara								
Water Tank Road	2	222.10	0.90	0.15	59.97			
Vijaya Kumar House Road	1	18.00	0.80	0.15	2.16			
2nd bill								
CC Drain								
Raft								
Hanumayya layout								
5th Cross Rd	2	214.30	0.90	0.15	57.86			
Vinayaka temple Rd	1	84.10	0.90	0.15	11.35			
Thirumala nagara								
6th Main Road	2	178.70	0.90	0.15	48.25			
7th Main Road	2	196.30	0.90	0.15	53.00			
Hanumayya layout								
2nd Main Road	2	169.40	0.90	0.15	45.74			
3rd Main Road	2	175.60	0.90	0.15	47.41			
11th Cross Rd	1	52.00	0.90	0.15	7.02			
10th Cross Rd	1	48.00	0.90	0.15	6.48			
9th Cross Rd	1	88.40	0.90	0.15	11.93			
8th Cross Rd	2	130.70	0.90	0.15	35.29			
8th A Cross Rd	1	36.40	0.90	0.15	4.91			
8th B Cross Rd	2	31.50	0.90	0.15	8.51			
8th C Cross Rd	2	37.15	0.90	0.15	10.03			
7th Main Rd	2	124.75	0.90	0.15	33.68			
6th Main Road	1	114.60	0.90	0.15	15.47			
Near Vidyaniketan school								
1st Cross Road	2	37.55	0.90	0.15	10.14			
Santhos nagara								

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4th Cross Rd	2	151.65	0.90	0.15	40.95			
1st Cross Rd	2	25.10	0.90	0.15	6.78			
Best County II								
Main Rd	1	230.70	0.90	0.15	31.14			
1st Cross Rd	2	55.90	0.90	0.15	15.09			
Vijay Bank Layout								
Main Road	2	215.30	0.90	0.15	58.13			
4th cross Rd	1	33.10	0.90	0.15	4.47			
3rd cross Rd	2	37.50	0.75	0.15	8.44			
2nd cross Rd	1	42.70	0.90	0.15	5.76			
1st cross Rd	1	37.60	0.90	0.15	5.08			
Side Wall								
1st bill								
Jyothinagara								
Thayi Nagammadevi Temple Road	2	314.80	0.15	0.55	51.94			
2nd Cross	2	269.00	0.15	0.60	48.42			
Jyothinagara 2nd Cross	2	343.80	0.15	0.60	61.88			
Doddabettahalli								
Amma Nilaya	4	101.10	0.15	0.60	36.40			
5th Cross road	4	83.40	0.15	0.60	30.02			
4th Cross road	4	85.80	0.15	0.60	30.89			
3rd Cross road	4	88.75	0.15	0.60	31.95			
2nd Cross road	4	95.40	0.15	0.60	34.34			
1st Cross road	2	56.30	0.15	0.60	10.13			
Connecting Drain								
5th Cross to 3rd Cross	2	63.00	0.15	0.60	11.34			
3rd Cross to lead off	2	53.00	0.15	0.60	9.54			
Attur Tanery road								
3rd Main Road	4	165.20	0.15	0.60	59.47			
Vidhyanikethan School Road	4	109.50	0.15	0.55	36.14			
4th Main Road	4	124.10	0.15	0.60	44.68			
Cross Road	4	25.60	0.15	0.60	9.22			
Pulakeshinagar								
4th Main Road	2	172.90	0.15	0.60	31.12			
5th Main Road	4	239.50	0.15	0.60	86.22			
6th Main Road								
1st Cross	2	24.70	0.15	0.60	4.45			
6th Main Road	4	144.50	0.15	0.55	47.69			
5th Cross Road	4	94.10	0.15	0.60	33.88			
6th Cross Road	4	68.60	0.15	0.55	22.64			
Cross Road	4	51.60	0.15	0.60	18.58			
Anugraha House Road	4	75.90	0.15	0.60	27.32			
Ananthapura								

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
11th Main Road,1st Cross Road	4	120.30	0.15	0.55	39.70			
11th Main Road,2nd Cross Road	2	169.20	0.15	0.60	30.46			
10th 'A' Main Road	4	223.90	0.15	0.60	80.60			
10th 'A' Main Road, 1st Cross Road	4	35.40	0.15	0.60	12.74			
10th 'A' Main Road, 2nd Cross Road	2	24.00	0.15	0.60	4.32			
10th 'E' Main Road	4	227.90	0.15	0.60	82.04			
10th 'F' Main Road	4	218.40	0.15	0.60	78.62			
10th F and 10th E Link Road	4	26.40	0.15	0.60	9.50			
Chikkabettahalli								
Masidi Road	2	97.40	0.15	0.60	17.53			
Adithyanagara								
Water Tank Road	4	222.10	0.15	0.60	79.96			
Vijaya Kumar House Road	2	18.00	0.15	0.60	3.24			
2nd bill								
Hanumayya layout								
5th Cross Rd	4	214.30	0.15	0.60	77.15			
Vinayaka temple Rd	2	84.10	0.15	0.60	15.14			
Thirumala nagara								
6th Main Road	4	178.70	0.15	0.70	75.05			
7th Main Road	4	196.30	0.15	0.70	82.45			
Hanumayya layout								
2nd Main Road	4	169.40	0.15	0.60	60.98			
3rd Main Road	4	175.60	0.15	0.60	63.22			
11th Cross Rd	2	52.00	0.15	0.55	8.58			
10th Cross Rd	2	48.00	0.15	0.60	8.64			
9th Cross Rd	2	88.40	0.15	0.60	15.91			
8th Cross Rd	4	130.70	0.15	0.60	47.05			
8th A Cross Rd	2	36.40	0.15	0.56	6.06			
8th B Cross Rd	4	31.50	0.15	0.60	11.34			
8th C Cross Rd	4	37.15	0.15	0.60	13.37			
7th Main Rd	4	124.75	0.15	0.60	44.91			
6th Main Road	2	114.60	0.15	0.60	20.63			
Near Vidyaniketan school								
1st Cross Road	4	37.55	0.15	0.60	13.52			
Santhos nagara								
4th Cross Rd	4	151.65	0.15	0.60	54.59			
1st Cross Rd	4	25.10	0.15	0.60	9.04			
Best County II								
Main Rd	2	230.70	0.15	0.90	62.29			
1st Cross Rd	4	55.90	0.15	0.55	18.45			
Vijay Bank Layout								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Main Road	4	215.30	0.15	0.60	77.51			
	4th cross Rd	2	33.10	0.15	0.55	5.46			
	3rd cross Rd	4	37.50	0.15	0.60	13.50			
	2nd cross Rd	2	42.70	0.15	0.60	7.69			
	1st cross Rd	2	37.60	0.15	0.55	6.20			
	RCC Culvert					**3509.53**			
	Raft								
	Near Sambhram College	2	6.75	1.20	0.20	3.24			
	Doddabettahalli	1	6.95	1.20	0.20	1.67			
	Tanery Road	2	6.10	1.20	0.20	2.93			
	Pulakeshinagar	11	5.65	1.20	0.20	14.92			
	Ananthapura								
	10th A Main 1st Cross Road	1	5.60	1.20	0.20	1.34			
	Adithyanagara								
	Water Tank Road	5	4.80	1.20	0.20	5.76			
	2nd Bill								
		19	5.85	1.20	0.20	26.68			
		2	6.10	1.20	0.20	2.93			
	Side Wall								
	Near Sambhram College	4	6.75	0.23	0.50	3.11			
	Doddabettahalli	2	6.95	0.23	0.50	1.60			
	Tanery Road	4	6.10	0.23	0.50	2.81			
	Pulakeshinagar	22	5.65	0.23	0.50	14.29			
	Ananthapura								
	10th A Main 1st Cross Road	2	5.60	0.23	0.50	1.29			
	Adithyanagara								
	Water Tank Road	10	4.80	0.23	0.50	5.52			
	2nd Bill								
		38	5.85	0.23	0.50	25.56			
		4	6.10	0.23	0.50	2.81			
						116.44			
						3625.97	**Cum**	**7140.90**	**25892690.00**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications including all lead and lifts and as per the direction of engineer in charge								
	60kg/cum for drain		3509.53	0.06		211.65			
	90kg/cum for drain		116.44	0.09		10.48			
						222.13	**Tn**	**74732.16**	**16600168.97**

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing including all lead and lifts and as per the direction of engineer in charge								
1st bill								
CC Drain								
Jyothinagara								
Thayi Nagammadevi Temple Road	1	126.50	0.75		94.88			
2nd Cross	1	155.90	0.90		140.31			
Jyothinagara 2nd Cross	1	174.20	0.90		156.78			
Doddabettahalli								
Amma Nilaya	2	101.10	0.90		181.98			
5th Cross road	2	78.00	0.90		140.40			
4th Cross road	2	81.00	0.90		145.80			
3rd Cross road	2	80.20	0.90		144.36			
2nd Cross road	2	63.40	0.90		114.12			
1st Cross road	1	45.20	0.90		40.68			
Connecting Drain								
5th Cross to 3rd Cross	1	59.10	0.90		53.19			
3rd Cross to lead off	1	48.00	0.90		43.20			
Attur Tanery road								
3rd Main Road	2	110.50	0.75		165.75			
Vidhyanikethan School Road	2	102.50	0.75		153.75			
4th Main Road	2	103.30	0.75		154.95			
Cross Road	2	25.60	0.75		38.40			
Pulakeshinagar								
4th Main Road	1	155.80	0.90		140.22			
5th Main Road	2	196.50	0.90		353.70			
6th Main Road								
1st Cross	1	24.70	0.90		22.23			
6th Main Road	2	102.30	0.90		184.14			
5th Cross Road	2	86.00	0.90		154.80			
6th Cross Road	2	59.10	0.90		106.38			
Cross Road	2	46.00	0.90		82.80			
Anugraha House Road	2	56.00	0.90		100.80			
Ananthapura								
11th Main Road,1st Cross Road	2	101.00	0.90		181.80			
11th Main Road,2nd Cross Road	1	133.00	0.90		119.70			
10th 'A' Main Road	2	178.00	0.75		267.00			
10th 'A' Main Road, 1st Cross Road	2	30.10	0.75		45.15			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
10th 'A' Main Road, 2nd Cross Road	1	18.60	0.75		13.95			
10th 'E' Main Road	2	156.00	0.75		234.00			
10th 'F' Main Road	2	175.70	0.75		263.55			
10th F and 10th E Link Road	2	20.20	0.75		30.30			
Chikkabettahalli								
Masjdi Road	1	97.40	0.90		87.66			
Adithyanagara								
Water Tank Road	2	185.80	0.90		334.44			
Vijaya Kumar House Road	1	18.00	0.75		13.50			
2nd bill								
Hanumayya layout								
5th Cross Rd	2	206.00	0.90		370.80			
Vinayaka temple Rd	1	14.00	0.90		12.60			
Thirumala nagara								
6th Main Road	2	178.70	0.90		321.66			
7th Main Road	2	196.30	0.90		353.34			
Hanumayya layout								
2nd Main Road	2	141.00	0.90		253.80			
3rd Main Road	2	123.50	0.90		222.30			
11th Cross Rd	1	24.30	0.90		21.87			
10th Cross Rd	1	48.00	0.90		43.20			
9th Cross Rd	1	41.20	0.90		37.08			
8th Cross Rd	2	81.50	0.90		146.70			
8th A Cross Rd	1	27.20	0.90		24.48			
8th B Cross Rd	2	31.50	0.90		56.70			
8th C Cross Rd	2	29.00	0.90		52.20			
7th Main Rd	2	88.00	0.90		158.40			
6th Main Road	1	38.00	0.90		34.20			
Near Vidyaniketan school								
1st Cross Road	2	32.00	0.90		57.60			
Santhos nagara								
4th Cross Rd	2	112.00	0.90		201.60			
1st Cross Rd	2	25.10	0.90		45.18			
Best County II								
Main Rd	1	227.00	0.90		204.30			
1st Cross Rd	2	55.90	0.90		100.62			
Vijay Bank Layout								
Main Road	2	215.00	0.90		387.00			
4th cross Rd	1	28.00	0.90		25.20			
3rd cross Rd	2	37.50	0.75		56.25			
2nd cross Rd	1	42.70	0.90		38.43			
1st cross Rd	1	37.60	0.90		33.84			
					7764.02	**Sqm**	**2360.37**	**18325948.09**

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing a including all lead and lifts and as per the direction of engineer in charge								
	Rcc culvert								
	Near Sambhram College	2	6.75	1.20		16.20			
	Doddabettahalli	1	6.95	1.20		8.34			
	Tanery Road	2	6.10	1.20		14.64			
	Pulakeshinagar	11	5.65	1.20		74.58			
	Ananthapura								
	10th A Main 1st Cross Road	1	5.60	1.20		6.72			
	Adithyanagara								
	Water Tank Road	5	4.80	1.20		28.80			
	Suresh House Road	1	6.60	1.20		7.92			
	2nd bill								
		16	5.85	1.20		112.32			
		3	5.90	1.50		26.55			
		2	6.10	1.20		14.64			
						310.71	**Sqm**	**5472.18**	**1700261.05**
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.								
	1st bill								
	Jyothinagara								
	Thayi Nagammadevi Temple Road	1	299.00	0.20	0.10	5.98			
	2nd Cross	1	269.00	0.20	0.10	5.38			
	Jyothinagara 2nd Cross	1	325.00	0.20	0.10	6.50			
	Ananthapura								
	10th 'A' Main Road	2	197.00	0.20	0.10	7.88			
	10th 'E' Main Road	2	192.00	0.20	0.10	7.68			
	10th 'F' Main Road	2	202.00	0.20	0.10	8.08			
	10th F and 10th E Link Road	2	26.40	0.20	0.10	1.06			
	Pulakeshinagar								
	6th Main Road	2	144.50	0.20	0.10	5.78			
	2nd bill								
	Hanumayya layout								
	5th Cross Rd	2	208.00	0.20	0.10	8.32			
	Vinayaka temple Rd	1	79.00	0.20	0.10	1.58			
	Thirumala nagara								
	6th Main Road	2	178.70	0.20	0.10	7.15			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	7th Main Road	2	189.00	0.20	0.10	7.56			
	Best County II								
	Main Rd	1	206.00	0.20	0.10	4.12			
	1st Cross Rd	2	44.50	0.20	0.10	1.78			
	Vijay Bank Layout								
	Main Road	2	176.50	0.20	0.10	7.06			
	3rd cross Rd	2	37.50	0.20	0.10	1.50			
	1st cross Rd	1	37.60	0.20	0.10	0.75			
						88.16	**Cum**	**5804.79**	**511727.35**
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. including all lead and lifts and as per the direction of engineer in charge								
	1st bill								
	Jyothinagara								
	Thayi Nagammadevi Temple Road	1	299.00			299.00			
	2nd Cross	1	269.00			269.00			
	Jyothinagara 2nd Cross	1	325.00			325.00			
	Ananthapura								
	10th 'A' Main Road	2	197.00			394.00			
	10th 'E' Main Road	2	192.00			384.00			
	10th 'F' Main Road	2	202.00			404.00			
	10th F and 10th E Link Road	2	26.40			52.80			
	Pulakeshinagar								
	6th Main Road	2	144.50			289.00			
	2nd bill								
	Hanumayya layout								
	5th Cross Rd	2	208.00			416.00			
	Vinayaka temple Rd	1	79.00			79.00			
	Thirumala nagara								
	6th Main Road	2	178.70			357.40			
	7th Main Road	2	189.00			378.00			
	Best County II								
	Main Rd	1	206.00			206.00			
	1st Cross Rd	2	44.50			89.00			
	Vijay Bank Layout								
	Main Road	2	176.50			353.00			
	3rd cross Rd	2	37.50			75.00			
	1st cross Rd	1	37.60			37.60			
						4414.20			
						9809.00	**Nos**	**436.80**	**4284618.28**

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications including all lead and lifts and as per the direction of engineer in charge								
						0.00	**Sqm**	**85.65**	**0.00**
10	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications including all lead and lifts and as per the direction of engineer in charge								
	3rd Bill								
	CC Road								
	Doddabettahalli								
	Near BBMP Office								
	Cross Road 01	1	45.80	5.30	0.30	72.82			
	Cross Road 02	1	39.70	3.90	0.30	46.45			
	Cross Road 03	1	40.10	2.60	0.30	31.28			
	Cross Road 04	1	10.20	3.20	0.30	9.79			
	Cross Road 05	1	77.70	3.10	0.30	72.26			
	Cross Road 06	1	71.40	3.50	0.30	74.97			
	Cross Road 07	1	8.10	1.20	0.30	2.92			
	Ananthapura								
	10th Main Road	1	250.00	7.10	0.30	532.50			
	1st Cross Road	1	18.70	5.70	0.30	31.98			
	2nd Cross Road	1	22.30	5.70	0.30	38.13			
	3rd Cross Road	1	23.30	5.70	0.30	39.84			
	Guptha Nivas Mata House Road	1	140.80	6.60	0.30	278.78			
						1231.73	**Cum**		
					Upto 125%	**423.70**	**Cum**	**64.58**	**27,362.29**
					Above 125%	**808.03**	**Cum**	**64.58**	**52,181.77**
11	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.								
	3rd Bill								
	CC Road								
	Doddabettahalli								
	Near BBMP Office								
	Cross Road 01	1	45.80	5.30		242.74			
	Cross Road 02	1	39.70	3.90		154.83			
	Cross Road 03	1	40.10	2.60		104.26			
	Cross Road 04	1	10.20	3.20		32.64			
	Cross Road 05	1	77.70	3.10		240.87			
	Cross Road 06	1	71.40	3.50		249.90			
	Cross Road 07	1	8.10	1.20		9.72			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Ananthapura								
	10th Main Road	1	250.00	7.10		1775.00			
	1st Cross Road	1	18.70	5.70		106.59			
	2nd Cross Road	1	22.30	5.70		127.11			
	3rd Cross Road	1	23.30	5.70		132.81			
	Guptha Nivas Mata House Road	1	140.80	6.60		929.28			
						4105.75	**Sqm**		
					Upto 125%	**1059.25**	**Sqm**	**6.42**	**6,804.20**
					Above 125%	**3046.50**	**Sqm**	**6.42**	**19,569.50**
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density.								
	3rd Bill								
	CC Road								
	Doddabettahalli								
	Near BBMP Office								
	Cross Road 01	1	45.80	5.30	0.15	36.41			
	Cross Road 02	1	39.70	3.90	0.15	23.22			
	Cross Road 03	1	40.10	2.60	0.15	15.64			
	Cross Road 04	1	10.20	3.20	0.15	4.90			
	Cross Road 05	1	77.70	3.10	0.15	36.13			
	Cross Road 06	1	71.40	3.50	0.15	37.49			
	Cross Road 07	1	8.10	1.20	0.15	1.46			
	Ananthapura								
	10th Main Road	1	250.00	7.10	0.15	266.25			
	1st Cross Road	1	18.70	5.70	0.15	15.99			
	2nd Cross Road	1	22.30	5.70	0.15	19.07			
	3rd Cross Road	1	23.30	5.70	0.15	19.92			
	Guptha Nivas Mata House Road	1	140.80	6.60	0.15	139.39			
						615.86	**Cum**		
					Upto 125%	**158.89**	**Cum**	**2014.87**	**320137.53**
					Above 125%	**456.98**	**Cum**	**2014.87**	**920744.85**
13	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	rd Bill								
	CC Road								
	Doddabettahalli								
	Near BBMP Office								
	Cross Road 01	1	45.80	5.30	0.15	36.41			
	Cross Road 02	1	39.70	3.90	0.15	23.22			
	Cross Road 03	1	40.10	2.60	0.15	15.64			
	Cross Road 04	1	10.20	3.20	0.15	4.90			
	Cross Road 05	1	77.70	3.10	0.15	36.13			
	Cross Road 06	1	71.40	3.50	0.15	37.49			
	Cross Road 07	1	8.10	1.20	0.15	1.46			
	Ananthapura								
	10th Main Road	1	250.00	7.10	0.15	266.25			
	1st Cross Road	1	18.70	5.70	0.15	15.99			
	2nd Cross Road	1	22.30	5.70	0.15	19.07			
	3rd Cross Road	1	23.30	5.70	0.15	19.92			
	Guptha Nivas Mata House Road	1	140.80	6.60	0.15	139.39			
						615.86	**Cum**		
					Upto 125%	**158.89**	**Cum**	**5263.07**	**836235.97**
					Above 125%	**456.98**	**Cum**	**5263.07**	**2405091.23**
14	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications including all lead and lifts and as per the direction of engineer in charge								
						0.00	**Qtl**	**7694.40**	
								Total Construction Cost	**88001401.19**
								Miscellaneous & Rounding off	**1,874.81**
	GRAND TOTAL								**88003276.00**

Technical Sanction
Accorded For Rs 88003276
Head of A/C. 2059
CER NO :62 ..... Dt: 11.1.24

Assistant Engineer,

Asst. Exec. Engineer,
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore

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